

REMARKS***Status of the Application***

Claims 1-8 are pending. The Examiner's objections to the claims, Specification and Abstract have been addressed by amendments presented above. The amendments to the Specification, Abstract and the Claims are summarized below.

In the Specification:

The Specification is amended at the paragraph bridging pages 1 and 2, to delete the statement that adjacent R^1 groups can form rings, and to recite that adjacent R^2 groups can together form 5- or 6-membered rings. It is clear that the statement "or adjacent R groups together can form a 5- or 6-membered cycloalkyl, aryl, or heteroaryl ring" that appears at page 2, lines 11-13 refers to R^1 ; the statement that appears at page 2, lines 21-23 refers to R^2 . It is equally clear, as pointed out by the Examiner, that adjacent R^1 groups cannot form such rings since they are too far apart. Therefore, the statement has been deleted with respect to R^1 . For clarity, the statement at lines 21-23 has been amended to explicitly state that R^2 groups can form rings. No new matter is introduced.

The Specification is amended at page 4, to correct an obvious typographical error and change "alkenyl moiety" to "alkynyl moiety" in the definition of "oxyalkynyl". No new matter is introduced.

The Specification is amended at page 7 to delete reference to Alq₃ as a hole-injection/transport material. No new matter is introduced.

The Specification is amended at page 8 to indicate that the materials listed are electron injection/transport materials. It is known that the materials listed are electron injection/transport materials, as indicated by the Examiner. No new matter is introduced.

The Specification is amended at page 10 to correct an obvious typographical error and change the cathode thickness to no greater than 1000 nm. No new matter is introduced.

The Specification is amended at page 10 to correct an obvious typographical error and delete the superscript "23". No new matter is introduced.

The Specification is amended at page 12 to correct an obvious typographical error and change "diester 5" to "diester 3" as indicated by the Examiner. This is clearly supported by the reaction scheme shown at page 11. No new matter is introduced.

The Specification is amended at page 16 to indicate that the boronate ester 8 is reacted with diester 2, and that the reaction product of this reaction is reacted with bromine. This is clearly supported by the reaction scheme shown at page 15. No new matter is introduced.

The Abstract is amended to be more descriptive and include the formulae for the polymer and diketone as suggested by the Examiner. No new matter is introduced.

In the Claims:

Claims 1, 6, and 8 are amended to indicate that adjacent R^2 groups can together form 5- or 6-membered rings, and that R^1 groups cannot form such rings. Applicants submit that it is clear that this was the original meaning of the Claims, as discussed above with respect to the Specification. No new matter is introduced.

Claim 5 is amended to include the conditions for determining the emission maximum. The basis for this can be found at page 4, lines 7-13. No new matter is introduced.

Claim 7 is amended to change the dependency from Claim 5 to Claim 6, and to clarify that the emission maximum is less than 500 nm. The basis for this can be found throughout the Specification, and particularly at page 4, lines 7-13, and page 6, lines 3-6.

Declaration

The Examiner indicated that the declaration was defective because the filing date identified in the declaration was incorrect. Applicants respectfully request that the Examiner waive this deficiency. The MPEP, at §602.03, states that "minor deficiencies in the body of the oath or declaration where the deficiencies are self-evidently cured in the rest of the oath or declaration" may be waived by the Examiner. Applicants submit that this is such a case. Each inventor entered the correct filing date along with that inventor's signature. The deficiency noted by the Examiner may be corrected by the Examiner entering an Examiner's Amendment, by hand, in the margin of the first page of the Declaration where the deficiency occurs. Applicants respectfully request the Examiner to enter such an Examiner's Amendment.

Abstract

The Abstract was objected to as not describing the disclosure sufficiently to assist readers in deciding whether there is a need for consulting the full patent text for details. Applicant respectfully submits that the amendments to the Abstract submitted herein have overcome this objection and requests that it be withdrawn.

Disclosure

The Examiner raised objections to a number of informalities in the disclosure. Applicants wish to thank the Examiner for the items identified and the Examiner's helpful comments. Applicants respectfully submit that the amendments to the Specification submitted herein have overcome these objections and request that they be withdrawn.

Claim Rejections - 35 U.S.C. § 112

Claims 1-8 stand rejected under 35 U.S.C. §112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which Applicants regard as their invention.

In Claims 1, 6, and 8, the statement "or adjacent R groups together can form a 5- or 6-member cycloalkyl, aryl or heteroaryl ring" was indicated as unclear. Applicants have amended these claims to explicitly state that adjacent R² groups can form such rings, and to delete the statement from the definition of R¹.

In Claim 5, it was indicated that the conditions for measurement of the emission maximum were not specified. The Claim has been amended to recite the measurement conditions.

Claim 7 was indicated to have incorrect dependency. The Claim has been amended to be dependent upon Claim 6. The Examiner also found that the claim was unclear with respect to the emission wavelength. The Claim has been amended to indicate that it is the emission maximum that is at a wavelength less than 500 nm.

Applicants respectfully submit that these rejections have been overcome by the amendments submitted herein, and request that the rejections be withdrawn.

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Pending U.S. Application No. 10/696,057

Applicants acknowledge, with thanks, the Examiner's remarks pertaining to co-pending application number 10/696,057. Applicants further acknowledge that there is no apparent common ownership, nor is there an apparent inventor in common, between the present application and the co-pending '057 application. Applicants are not aware of a joint research agreement that would fall within the purview of the CREATE Act, 103 U.S.C. §103(c)(2)-(c)(3). Applicants will promptly notify the Examiner if such an agreement is found to exist.

Conclusion

In view of the foregoing amendments and remarks, Applicants submit that the above referenced pending application is in condition for allowance. A Notice of Allowance for Claims 1-8 is earnestly solicited.

Applicants believe that no fee is due with the submission of this paper. Should a fee, not accounted for herein, actually be due, please charge such fee to Deposit Account No. 04-1928 (E.I. du Pont de Nemours and Company). Finally, should the Examiner have any questions about the status of the application or the contents of this paper, the Examiner is invited to call the undersigned at the telephone number set forth below.

Respectfully submitted,



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